

Date: Tue, 14 Jun 94 04:30:23 PDT  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Space Digest V94 #156  
To: Ham-Space

Ham-Space Digest                      Tue, 14 Jun 94                      Volume 94 : Issue    156

Today's Topics:

    \* SpaceNews 13-Jun-94 \*  
        2M EME Anyone?  
2M EME Anyone? (IMPORTANT)  
    AZ/EL Rotator FOR SALE  
    New Satellite Antenna  
Satellite Tracking Hardware  
    What is Phase 3D

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Mon, 13 Jun 1994 12:20:00 MDT  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!  
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu  
Subject: \* SpaceNews 13-Jun-94 \*  
To: ham-space@ucsd.edu

SB NEWS @ AMSAT \$SPC0613  
\* SpaceNews 13-Jun-94 \*

BID: \$SPC0613

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SpaceNews  
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MONDAY JUNE 13, 1994

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

★ DOVE STATUS ★

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Jim White, WD0E, reports that DOVE's voice synthesizer is undergoing tests. The satellite is now speaking the phrase "HI, this is DOVE in space" for one minute of every four minutes. "HI" has been traditionally sent from Amateur satellites since OSCAR 1, so it seemed appropriate for this re-activation of the voice synthesizer in DO-17. The team will continue to work on improvements, including possibly raising the amplitude of the voice, which is presently about half that of the telemetry.

Software was completely reloaded last week. The S-band beacon has been turned off. Transmitter power will be optimized while maintaining a positive power budget. Reception reports are welcome (to PY2BJO). Telemetry is not needed.

Jim White

WD0E for the team: WJ9F, VK7ZBX, N5AHD, NK6K

With support from WB6LLO and K0RZ

★ LUSAT STATUS ★

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LUSAT-OSCAR-19 is still not available for general use, and the BBS is not expected to be operational for the next few weeks. Raw telemetry should be sent by packet radio to LU8DYF@LU8DYF.BA.ARG.SOAM or LU8DYF@ANY-ACTIVE-SATELLITE, or via the Internet to: lu8dyf@asarin.org.ar. Certificates are available for those who forward telemetry reports.

The LUSAT-1 recovery team wants to thank all stations who sent LUSAT-1 telemetry data in RAW format, including:

JN2LHU, OZ6BL, OZ7SAT, EA1BCU, EA2CLS, WH6I, W9ODI, SM5BVF, ZS6BMN, JJ1WTK, LU1FYZ, LU2FCY, LU2JCI, LU1JBR, LU8ENU, LU6DYD and LU1DBC.

[Info via Eduardo Sweet, LU7AKC (LUSAT-1 recovery team)]

★ ITAMSAT (IO-26) BACK ON ★

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After a couple of weeks of stand-by mode, ITAMSAT under ground command was switched back ON. A new MBL code was successfully loaded to test the modified s/c configuration (secondary TX on). Telemetry shows all the vital parameters in nominal status. Further tests will be carried out in the next few days. Also due to the very limited time budget of the command stations, please expect a few weeks before normal operations.

[Info via Alberto, I2KBD, of the ITAMSAT Command Team]

★ APT STATUS ★

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Observed at 50.7 NLat, 7.1 ELon (Germany) on 28-May-94:

NOAA-9: APT 137.62 MHz On  
NOAA-10: APT 137.50 MHz \*OFF\*  
NOAA-11: APT 137.62 MHz On  
NOAA-12: APT 137.50 MHz On  
Meteor 2-21: APT 137.85 MHz On  
Meteor 3-5: APT 137.85 MHz \*OFF\*

The VHF-conflict between NOAA-10 and NOAA-12 continues with NOAA-10's APT turned off. Meteor 3-5 APT is off too. The APT-frequency of Meteor 2-21 changed from 137.40 MHz to 137.85 MHz, but the signal is weak as always. As Meteor 3-5 is off, old NOAA-9 now is the best source for good vis-images.

[Info via Peter Henne]

★ FO-20 NEWS ★

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On 19-May-94, the FO-20 command station announced that a problem exists in FO-20's onboard computer system. The satellite's transponder will remain in the analog mode (JA) until further notice.

[Info via Kazu Sakamoto, JJ1WTK]

★ DISTRIBUTION INFORMATION ★

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Recent FCC rule changes have made both the originator of packet radio bulletins as well as the control operator of the originating BBS legally responsible for the content of packet radio bulletins. As a result, many bulletins entering the Amateur Packet Radio Network (AMPR) must be held for review by the BBS sysop before forwarding can begin. The adoption of this new procedure will lead to delays in the distribution of SpaceNews and other bulletins within the Amateur Packet Radio Network.

In addition, recent routing changes have lead to local Internet mail problems. This is expected to produce distribution delays within the packet network since the Internet is used as a SpaceNews distribution backbone.

\* THANKS! \*

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Thanks to all those who sent messages of appreciation to SpaceNews, especially:

KB3AMR

KB3MF

VK4ZDR

...and Flavio Cimardi at IBM Microelectronics in Italy.

\* FEEDBACK/INPUT WELCOMED \*

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Mail to SpaceNews should be directed to the editor (John, KD2BD) via any of the following paths:

FAX : 1-908-747-7107

PACKET : KD2BD @ N2KZH.NJ.USA.NA

INTERNET : kd2bd@amsat.org -or- magliaco@pilot.njin.net

MAIL : John A. Magliacane, KD2BD  
Department of Engineering and Technology  
Advanced Technology Center  
Brookdale Community College  
Lincroft, New Jersey 07738  
U.S.A.

<<= SpaceNews: The first amateur newsletter read in space! -=>>

/EX

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John A. Magliacane, KD2BD \* /\ \* Voice : 1-908-224-2948  
Advanced Technology Center |/\| Packet : KD2BD @ N2KZH.NJ.USA.NA  
Brookdale Community College |/\| Internet: magliaco@pilot.njin.net  
Lincroft, NJ 07738 \* \/\ \* Morse : -. -.. ..--- -... -..

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Date: Mon, 13 Jun 1994 08:23:10 GMT

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!xlink.net!zib-berlin.de!math.fu-berlin.de!fub!chamber.in-berlin.de!root@network.ucsd.edu

Subject: 2M EME Anyone?  
To: ham-space@ucsd.edu

tim.marek@megasystem.com (Tim Marek) writes:

>Recently I have become active on 144Mhz EME. One of the bottlenecks  
>surrounding EME is the passing of skeds made on 14.345 Weekend Mornings  
>from the US to EU and other continents. I wonder if anyone wants to try  
>and improve the situation using the Internet? I will respond to all  
>msgs. Thanks de Tim, NC7K in DM09ep, Reno, NV... sk

InterNet is still in use for skeds. Klaus, DL4EBY is making skeds  
for europe on 14.345 (via our clubstation DK0TU). We are reachable  
via Internet as 'afutub.extern.tu-berlin.de' [130.149.130.138].  
You may write a message via e-mail to 'klaus@afutub.extern.tu-berlin.de'  
for further information about EME skeds and the EME-net.

Regards/73, Pat, DL7AUC, for DK0TU, root@afutub.extern.tu-berlin.de

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If your server is not responding perhaps YOU should.  
PGP-Public-Key available upon request or on various pgp-keyservers !

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- Patrick Wendt | root@chamber.in-berlin.de | Zombies Burial Chamber -
- Ham: DL7AUC | root@afutub.extern.tu-berlin.de | Public UNIX System -
- Berlin/J062Q0 | pwendt@mail.cs.tu-berlin.de | Call: +49 30 / 4025692 -
- *West*Germany | Ham-Radio: DL7AUC@DB0BLO.DEU.EU | HST D.S. 14400bps V32b -
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Date: 13 Jun 94 20:42:56 GMT  
From: unix.sri.com!headwall.Stanford.EDU!abercrombie.Stanford.EDU!  
paulf@hplabs.hpl.hp.com  
Subject: 2M EME Anyone? (IMPORTANT)  
To: ham-space@ucsd.edu

mack@ncifcrf.gov (Joe Mack) writes:

> You might also post this on the vhf listserver. Send e-mail  
>to vhf@w6yx.stanford.edu with the one line  
> subscribe vhf  
> to become a subscriber.

No. DO NOT SEND SUBSCRIPTION REQUESTS TO VHF@W6YX.STANFORD.EDU! That's  
the mailing list address, not the subscription request address (which by  
convention is vhf-request@w6yx.stanford.edu). We've just gotten dozens of  
misdirected requests as a result of this posting...

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-=Paul Flaherty, N9FZX | "We are meant to be masters of destiny,  
->paulf@Stanford.EDU | not victims of fate." -- Ronald W. Reagan

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Date: 13 Jun 1994 07:10:34 -0500  
From: ihnp4.ucsd.edu!agate!spool.mu.edu!torn!nott!bnrgate!corpgate!  
crchh327.bnr.ca!debaker@network.ucsd.edu  
Subject: AZ/EL Rotator FOR SALE  
To: ham-space@ucsd.edu

Hello,

I have a like new Az/El rotator for sale. It is designed for light duty vhf/uhf antennas, such as an Oscar setup. Comes ready to mount on a 1.5 inch (max) vertical mast and will accept up to a 1.5 inch horizontal mast such as the fiberglass unit from KLM. Comes with a control head for each rotor, and can be easily connected to a computer for automatic control (with minor modifications).

These units are capable of carrying a fair load. I have had no problems turning a pair of KLM's (2M-14C/435-18C), even without balancing them. Rotation time is about 60 seconds AZ, 30 seconds EL (180 degrees). These units have never been outdoors either...only used inside.

I am offering two 75 foot lengths of new 5 conductor wire FREE with the package. Also, the unit can be controlled using a single 8 conductor rotor wire if desired.

I am asking \$175 + shipping.

Please email to debaker@bnr.ca  
or call, 214-684-7351 (day)  
73,

+-----+  
| David E. Baker      Internet: debaker@bnr.ca (Richardson, TX, USA) |  
| Callsign: AB5PI      Amateur Packet: AB5PI@N5AUX.#DFW.TX.USA.NA |  
| My opinions do not necessarily reflect the opinions of my employer |  
+-----+

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Date: Tue, 14 Jun 1994 01:38:19 GMT  
From: news.claremont.edu!pomona.claremont.edu!GVODVARKA@uunet.uu.net  
Subject: New Satellite Antenna  
To: ham-space@ucsd.edu

Rodger, just checking to see if your new antenna is working ok. Have heard you on 447.625 talking about it. Let me know if you got my message. By the way Rich Shyer says Hello. See you later. Gary KB6ADM

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Date: Mon, 13 Jun 1994 15:17:08 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!cs.utexas.edu!  
csc.ti.com!tilde.csc.ti.com!cauldron!ra.csc.ti.com!kendurham.sc.ti.com!  
ken@network.ucsd.edu  
Subject: Satellite Tracking Hardware  
To: ham-space@ucsd.edu

Dialing WWV to calibrate the PC system clock has shown that the error is too large to be able to track the low earth orbiting satellites without calibrating several times a week. This could get expensive since the call is long distance.

Does anyone know of a plug-in board intended to take over the clock's time function with greater accuracy?

The computer clock problem seems to be a common one (from comments heard on A0-13.) Any info on the subject would help.

Ken Durham K5MBV

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Date: Mon, 13 Jun 1994 03:12:51 GMT  
From: yale.edu!newsserver.jvnc.net!netnews.upenn.edu!news.drexel.edu!  
dunx1.ocs.drexel.edu!DUVM.OCS.DREXEL.EDU!XTL00014@yale.arpa  
Subject: What is Phase 3D  
To: ham-space@ucsd.edu

What is Phase 3D?

xtl00014@duvm.ocs.drexel.edu  
73 de N3RCS (Adam) es gd DX \_AR\_

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End of Ham-Space Digest V94 #156  
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